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(74) Agent: **STRAUS, Alexander**; Becker, Kurig, Straus,
Bavariastr. 7, 80336 München (DE).

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(71) Applicant (for all designated States except US): **JOZEF STEFAN INSTITUTE** [SI/SI]; Jamova 39, 1000 Ljubljana (SI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JESI, Adolf** [SI/SI]; c/o Jozef Stefan Institute, Jamova 39, 1000 Ljubljana (SI). **MIHAJLOVIC, Dragan** [SI/SI]; c/o Jozef Stefan Institute, Jamova 39, 1000 Ljubljana (SI). **REMSKAR, Maja** [SI/SI]; c/o Jozef Stefan Institute, Jamova 39, 1000 Ljubljana (SI). **MRZEL, Ales** [SI/SI]; c/o Jozef Stefan Institute, Jamova 39, 1000 Ljubljana (SI). **VRBANIC, Daniel** [SI/SI]; c/o Jozef Stefan Institute, Jamova 39, 1000 Ljubljana (SI).

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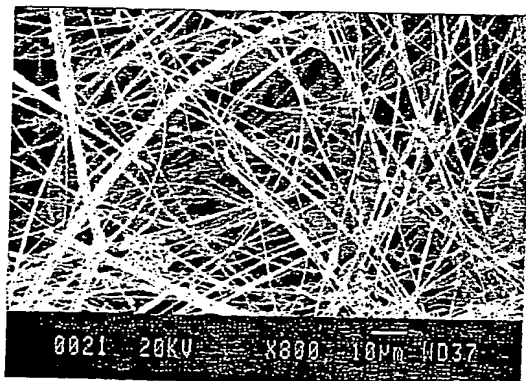
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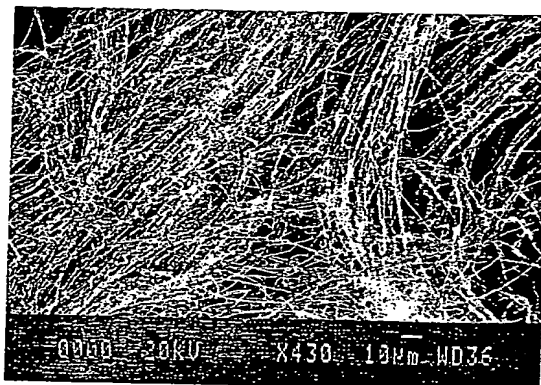
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(54) Title: QUASI-ONE-DIMENSIONAL POLYMERS BASED ON THE METAL-CHALCOGEN-HALOGEN SYSTEM

a)



b)



(57) Abstract: The present Invention relates a quasi-one-dimensional material with sub-micron cross-section described by the formula $M_yC_zH_z$, where the M = transition metal, C = chalcogen, H = halogen, and where y and z are integers such that $8.2 < y+z < 10$, which materials are synthesized in a Single-step procedure at temperatures above 1000 °C. The present invention also concerns the use of these materials in electronic, chemical, optical or mechanical applications.

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